

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| L1    | 0    | (laser same fiber same amplifier same gain same control\$4 same manipulation same feedback).clm.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/09/01<br>13:22 |
| S1    | 726  | 372/25.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/27<br>14:03 |
| S2    | 0    | S1 and (laser same (control\$4 processor cpu computer) same (detector photodetector photodiode) same feedback same wavelength same pulswidth same rate)     | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/27<br>14:07 |
| S3    | 0    | (laser same (control\$4 processor cpu computer) same (detector photodetector photodiode) same feedback same wavelength same pulswidth same rate)            | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/27<br>14:08 |
| S4    | 0    | (laser same (control\$4 processor cpu computer) same (detector photodetector photodiode) same feedback same pulswidth same rate)                            | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/27<br>14:08 |
| S5    | 1    | (laser same (control\$4 processor cpu computer) same (detector photodetector photodiode monitor\$3) same feedback same wavelength same pulswidth same rate) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/06/27<br>14:09 |

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| S6  | 2    | (laser same (control\$4<br>processor cpu<br>computer) same<br>(detector<br>photodetector<br>photodiode monitor\$3)<br>same wavelength<br>same pulsewidth same<br>rate) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/27<br>14:09 |
| S7  | 1    | (laser same (control\$4<br>processor cpu<br>computer) same<br>(detector<br>photodetector<br>photodiode monitor\$3)<br>same feedback same<br>pulsewidth same rate)      | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/27<br>14:09 |
| S8  | 1    | (laser same (control\$4<br>processor cpu<br>computer) same<br>(detector<br>photodetector<br>photodiode monitor\$3)<br>same feedback same<br>pulsewidth)                | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/27<br>14:10 |
| S9  | 5959 | (laser same (control\$4<br>processor cpu<br>computer) same<br>(detector<br>photodetector<br>photodiode monitor\$3)<br>same feedback)                                   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/27<br>18:02 |
| S10 | 484  | (laser same (control\$4<br>processor cpu<br>computer) same<br>(detector<br>photodetector<br>photodiode monitor\$3)<br>same feedback same<br>parameter)                 | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/27<br>14:12 |
| S11 | 475  | (laser same (control\$4<br>processor) same<br>(detector<br>photodetector<br>photodiode monitor\$3)<br>same feedback same<br>parameter)                                 | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/27<br>14:11 |

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| S12 | 218 | (laser same (control\$4<br>processor) same<br>(detector<br>photodetector ) same<br>feedback same<br>parameter)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/27<br>14:11 |
| S13 | 2   | (laser same (control\$4<br>processor cpu<br>computer) same<br>(detector<br>photodetector<br>photodiode monitor\$3)<br>same feedback same<br>parameter) same<br>(fiber adj amplifier)<br>same grating same<br>compressor   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/27<br>14:14 |
| S14 | 2   | (laser same (control\$4<br>processor cpu<br>computer) same<br>(detector<br>photodetector<br>photodiode monitor\$3)<br>same feedback same<br>parameter) same<br>(fiber adj amplifier)<br>same stretcher same<br>compressor | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/27<br>14:15 |
| S15 | 2   | (laser same (control\$4<br>processor cpu<br>computer) same<br>(detector<br>photodetector<br>photodiode monitor\$3)<br>same feedback) same<br>(fiber adj amplifier)<br>same stretcher same<br>compressor                   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/27<br>14:35 |
| S16 | 2   | (laser same (control\$4<br>processor cpu<br>computer) same<br>(detector<br>photodetector<br>photodiode monitor<br>\$3)) same (fiber adj<br>amplifier) same<br>stretcher same<br>compressor                                | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/27<br>14:35 |

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| S17 | 21  | laser same (fiber adj amplifier) same stretcher same compressor  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/27<br>14:35 |
| S21 | 569 | (laser same (detector photodetector photodiode monitor \$3)) same (frog gating)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/27<br>17:03 |
| S23 | 118 | (laser same (detector photodetector photodiode monitor \$3)) same power same (frog gating)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/27<br>17:19 |
| S24 | 2   | (laser same (control\$4 processor cpu computer) same (detector photodetector photodiode monitor\$3) same feedback) same (power adj meter) same (frog gating) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/27<br>17:05 |
| S25 | 2   | (laser same (control\$4 processor cpu computer) same (detector photodetector photodiode monitor \$3)) same (power adj meter) same (frog gating)              | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/27<br>17:06 |
| S26 | 2   | (laser same (detector photodetector photodiode monitor \$3)) same (power adj meter) same (frog gating)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/27<br>17:06 |
| S27 | 67  | (laser same (detector photodetector photodiode monitor \$3)) same meter same (frog gat\$3)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/27<br>17:28 |
| S28 | 863 | laser same (pulsewidth (pulse adj width)) same (frog gat \$3)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/27<br>17:29 |

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| S29 | 252 | laser same ((pulsewidth (pulse adj width)) with (frog gat\$3))   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/27<br>17:40 |
| S30 | 40  | laser same ((pulsewidth (pulse adj width)) with (frog gat\$3)) same measur \$5   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/27<br>17:50 |
| S31 | 12  | laser same ((pulse adj duration) with (frog gat \$3)) same measur\$5   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/27<br>17:50 |
| S32 | 3   | (laser same (control\$4 processor cpu computer) same (detector photodetector photodiode monitor\$3) same feedback) same (nlo (nonlinear non \$linear)) same spectrometer | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/27<br>18:04 |
| S33 | 14  | (laser same (control\$4 processor cpu computer) same (detector photodetector photodiode monitor \$3)) same (nlo (nonlinear non \$linear)) same spectrometer              | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/27<br>18:11 |
| S34 | 30  | laser same (control\$4 processor cpu computer) same (nlo (nonlinear non \$linear)) same spectrometer   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/28<br>15:20 |
| S35 | 2   | laser same (control\$4 processor cpu computer) same (nlo (steer\$3 adj optic)) same telescop\$3  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/28<br>14:13 |
| S36 | 1   | laser same (profiler) same (steer\$3 adj optic) same telescop \$3  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/28<br>14:16 |

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| S37 | 0   | laser same (cod adj camera) same (steer \$3 adj optic) same telescop\$3                                   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/28<br>14:17 |
| S38 | 0   | laser same (camera) same (steer\$3 adj optic) same telescop \$3   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/28<br>14:18 |
| S39 | 0   | laser same (cod) same (steer\$3 adj optic) same telescop\$3   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/28<br>14:18 |
| S40 | 284 | laser same (control\$4 processor cpu computer) same (nlo (nonlinear non \$linear)) same feedback          | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/28<br>15:24 |
| S41 | 9   | laser same (control\$4 processor cpu computer) same (nlo (nonlinear non \$linear)) same feedback same shg | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/28<br>15:21 |
| S42 | 120 | laser same ((control\$4 processor cpu computer) with (nlo (nonlinear non \$linear))) same feedback        | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/28<br>15:29 |
| S43 | 2   | "20030189959"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/28<br>16:52 |
| S44 | 2   | "5933274".pn.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/06/28<br>16:52 |

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| S45 | 2  | laser same (control\$4<br>processor cpu<br>computer) same<br>(detector<br>photodetector<br>photodiode) same<br>feedback same (power<br>adj meter) same (frog<br>gating)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/16<br>16:53 |
| S46 | 2  | laser same (control\$4<br>processor cpu<br>computer) same<br>(detector<br>photodetector<br>photodiode) same<br>(power adj meter)<br>same (frog gating)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/16<br>16:53 |
| S47 | 47 | laser same (control\$4<br>processor cpu<br>computer) same<br>(detector<br>photodetector<br>photodiode) same<br>feedback same (power<br>adj meter)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/16<br>17:20 |
| S48 | 2  | laser same (control\$4<br>processor cpu<br>computer<br>microprocessor<br>microcomputer) same<br>(detector<br>photodetector<br>photodiode) same<br>(power adj meter)<br>same (fiber near<br>amplifier) same<br>compressor same<br>grating   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/16<br>17:25 |
| S49 | 0  | laser same (control\$4<br>processor cpu<br>computer<br>microprocessor<br>microcomputer) same<br>(detector<br>photodetector<br>photodiode) same<br>(power adj meter)<br>same (fiber near<br>amplifier) same<br>compressor same<br>strech\$4 | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/16<br>17:25 |

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| S50 | 9  | laser same (control\$4<br>processor cpu<br>computer<br>microprocessor<br>microcomputer) same<br>(detector<br>photodetector<br>photodiode) same<br>(power adj meter)<br>same (fiber near<br>amplifier)                                   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/16<br>17:39 |
| S51 | 2  | laser same (control\$4<br>processor cpu<br>computer<br>microprocessor<br>microcomputer) same<br>(detector<br>photodetector<br>photodiode) same<br>(power adj meter)<br>same monitor\$3 same<br>wavelength same<br>repetition same pulse | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/16<br>17:42 |
| S52 | 2  | laser same (control\$4<br>processor cpu<br>computer<br>microprocessor<br>microcomputer) same<br>(detector<br>photodetector<br>photodiode) same<br>(power adj meter)<br>same monitor\$3 same<br>wavelength same<br>repetition            | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/16<br>17:42 |
| S53 | 21 | laser same (control\$4<br>processor cpu<br>computer<br>microprocessor<br>microcomputer) same<br>(detector<br>photodetector<br>photodiode) same<br>(power adj meter)<br>same monitor\$3 same<br>wavelength                               | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/16<br>18:01 |



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| S54 | 6 | laser same (control\$4<br>processor cpu<br>computer<br>microprocessor<br>microcomputer) same<br>(detector<br>photodetector<br>photodiode) same<br>(power adj meter)<br>same monitor\$3 same<br>wavelength same<br>pulse | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/16<br>17:43 |
| S55 | 2 | "200201311164"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/16<br>18:01 |
| S56 | 0 | (fiber near (oscillator<br>laser)) same (detector<br>photodetector<br>photodiode) same<br>amplifier same<br>(powermeter power<br>\$1meter (power adj<br>meter)) same gating   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/26<br>13:32 |
| S57 | 0 | ((fiber near (oscillator<br>laser) (pulse adj<br>source))) same<br>(detector<br>photodetector<br>photodiode) same<br>amplifier same<br>(powermeter power<br>\$1meter (power adj<br>meter)) same gating                  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/26<br>13:33 |
| S58 | 0 | ((fiber near (oscillator<br>laser)) (pulse adj<br>source)) same<br>(detector<br>photodetector<br>photodiode) same<br>amplifier same<br>(powermeter power<br>\$1meter (power adj<br>meter)) same gating                  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/26<br>13:34 |

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| S59 | 0   | ((fiber near (oscillator laser)) (pulse adj source)) same<br>(detector photodetector photodiode) same<br>amplifier same<br>(powermeter power \$1meter (power adj meter)) same gating<br>same fiber                | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/26<br>13:35 |
| S60 | 206 | ((fiber near (oscillator laser)) (pulse adj source)) same<br>amplifier same<br>(detector photodetector photodiode<br>powermeter power \$1meter (power adj meter) gating) same<br>fiber                            | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/26<br>13:35 |
| S61 | 87  | ((fiber near (oscillator laser)) (pulse adj source)) same<br>amplifier same<br>(detector photodetector photodiode<br>powermeter power \$1meter (power adj meter) gating) same<br>fiber same (control\$4 feedback) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/26<br>13:36 |
| S62 | 0   | ((pulse seed) adj source) same (fiber adj amplifier) same<br>(detector photodetector photodiode<br>powermeter power \$1meter (power adj meter) gating) same<br>fiber same (control\$4 feedback)                   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/26<br>14:48 |

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| S63 | 0   | ((pulse seed) adj source) same (fiber adj amplifier) same (detector photodetector photodiode powermeter power \$1meter (power adj meter) gating) same (control\$4 feedback) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/26<br>14:49 |
| S64 | 1   | ((pulse seed) adj source) same (fiber adj amplifier) same (detector photodetector photodiode powermeter power \$1meter (power adj meter) gating)                            | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/26<br>14:50 |
| S65 | 627 | laser same (fiber adj amplifier) same (detector photodetector photodiode powermeter power \$1meter (power adj meter) gating)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/26<br>14:51 |
| S66 | 14  | (laser near pulse) same (fiber adj amplifier) same (detector photodetector photodiode powermeter power \$1meter (power adj meter) gating)                                   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/26<br>14:51 |
| S67 | 19  | laser same (fiber adj amplifier) same gating  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/26<br>15:22 |
| S68 | 17  | laser same (fiber adj amplifier) same gating same pulse   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/26<br>15:22 |
| S69 | 124 | laser same (fiber adj amplifier) same (pulse adj width pulsewidth)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/26<br>15:27 |

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| S70 | 124 | laser same (fiber adj amplifier) same ((pulse adj width) pulsewidth)                           | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/26 15:27 |
| S71 | 7   | laser same (fiber adj amplifier) same ((pulse adj width) pulsewidth) same (monitor\$3 sens\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/26 15:28 |
| S72 | 31  | (laser near fiber) same ((pulse adj width) pulsewidth) same (monitor\$3 sens\$3 measur\$5)     | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/26 16:06 |

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